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BULLETIN OF BUSINESS RESEARCH

STATISTICAL SUMMARY

Center for Business and Economic Research

The Ohio State University

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Business Conditions in Ohio and the United States

ITEM	Unit or Index Base Period	OHIO Dec. 1979	OHIO Nov. 1979	OHIO Change From Last Month: Dec. 1979 from Nov. 1979	OHIO Change From Last Year: Dec. 1979 from Dec. 1978	OHIO Change From Last Year: 12 months 1979 from 1978	UNITED STATES Unit or Index Base Period	UNITED STATES Dec. 1979	UNITED STATES Nov. 1979	UNITED STATES Change From Last Month: Dec. 1979 from Nov. 1979	UNITED STATES Change From Last Year: Dec. 1979 from Dec. 1978	UNITED STATES Change From Last Year: 12 months 1979 from 1978
GENERAL BUSINESS				%	%	%				%	%	%
• Bank Debits[5, 11]	1967[f]	n.a.	n.a.	n.a.	n.a.	n.a.	Bil. $ Ex. NY[d, h]	n.a.	n.a.	n.a.	n.a.	n.a.
Commercial Failures—Number[12]	Number	n.a.	n.a.	n.a.	n.a.	n.a.	Number	n.a.	n.a.	n.a.	n.a.	n.a.
Commercial Failures—Liabilities[12]	Thous. Dol.	n.a.	n.a.	n.a.	n.a.	n.a.	Thous. Dol.	n.a.	n.a.	n.a.	n.a.	n.a.
Life Insurance Sales[6]	1967	364	323	+ 13	+ 8	+ 16	1967	412	350	+ 18	+ 16	+ 16
INCOME												
• Total Personal Income[1, 13]	Mil. Dol.[d, h]	97,849	96,926	+ 1	+ 9	+ 11	Bil. Dol.[d, h]	2,024	2,004	+ 1	+ 11	+ 12
Salaries & Wages Income[7, 13]	Mil. Dol.[d, h]	c	c	+ 1	+ 1	+ 5	Bil. Dol.[d, h]	1,283	1,271	+ 1	+ 10	+ 11
Nonagricultural Income[13]		b	b	b	b	b	Bil. Dol.[d, h]	1,972	1,952	+ 1	+ 11	+ 12
Employee Earn.—Gross Wkly.: Mfgr.[14, 15]	Dollars	343.09	329.19	+ 4	+ 4	+ 6	Dollars	285.77	277.55	+ 3	+ 7	+ 8
" " Const.[14, 15]	Dollars	437.21	441.96	— 1	+ 8	+ 7	Dollars	353.19	346.75	+ 2	+ 7	+ 7
Agr. Income (Cash Mktgs.)[16, 17]	1957–59	n.a.	n.a.	n.a.	n.a.	n.a.	1967	n.a.	n.a.	n.a.	n.a.	n.a.
EMPLOYMENT & UNEMPLOYMENT												
Civilian Labor Force[14, 15]	Thousands	5,110	5,098	+ x	+ 1	+ 3	Thousands	103,884	103,719	+ x	+ 2	+ 2
Civilian Employment[14, 15]	Thousands	4,842	4,829	+ x	+ 1	+ 2	Thousands	98,047	97,943	+ x	+ 2	+ 3
Nonagricultural Employment[14, 15]	Thousands	4,534	4,538	+ x	+ 1	+ 3	Thousands	95,052	94,686	+ x	+ 2	+ 3
Mfg. Prod. Employment[7, 15]	1967	78	78	— x	— 6	— 2	1967	105	105	+ x	+ x	+ 2
• Mfg. Prod. Payrolls[7, 15]	1967	184	178	+ 3	— 5	+ 4	1967	261	253	+ 3	+ 6	+ 10
Average Weekly Hours—Mfg. Prod.[7, 15]	Number	42.2	41.2	+ 2	— 3	— 2	Number	41.0	40.4	+ 1	— 1	— x
Unemployment, Total—No.[14, 15]	Thousands	268	269	— x	+ 9	+ 12	Thousands	5,836	5,776	+ 1	+ 2	— 1
Unemployment, Total—Rate[14, 15]	Percent	5.2	5.3				Percent	5.6	5.6			
Unemployment, Insured[14, 15]	Thousands	159	115	+ 39	+ 81	+ 32	Thousands	n.a.	n.a.	n.a.	n.a.	n.a.
Registered for Work, O.B.E.S.[14]	Thousands	335	334	+ x	+ 6	— 5		b	b	b	b	b
Unemployment Compensation Fund[14]	Mil. Dol.	503	556	— 10	+ 13	+ 62		b	b	b	b	b
PRODUCTION												
Gross National Product (Quarterly)[13]		b	b	b	b	b	Bil. Dol.[d, h]	n.a.	n.a.	n.a.	n.a.	n.a.
Industrial Production[7, 11]	1967	c	c	+ 2	— 9	— 3	1967[d]	152	152	+ x	+ x	+ 4
• Steel Production[18]	Thous. Tons	1,419	1,437	— 1	— 25	— 1	Thous. Tons	9,996	9,997	— x	— 15	— 1
Electric Power Production[8]	1967[f]	n.a.	n.a.	n.a.	n.a.	n.a.	Mil. K'w H	n.a.	n.a.	n.a.	n.a.	n.a.
Bituminous Coal Production[10]	Thous. Tons	3,385	3,915	— 14	— 18	— 1	Thous. Tons	60,319	67,560	— 11	+ 1	+ 18
Pig Iron Production[18]	Thous. Tons	974	984	— 1	— 24	— 1	Thous. Tons	6,372	6,258	+ 2	— 17	— 3
Machine Tools—Shipments[20]		b	b	b	b	b	Mil. Dol.	391.05	361.30	+ 8	+ 26	+ 28
Machine Tools—New Orders[20]		b	b	b	b	b	Mil. Dol.	392.35	432.90	— 9	+ 3	+ 27
Durable Goods—New Orders[19]		b	b	b	b	b	Mil. Dol.[d]	76,668	75,417	+ 2	— x	+ 9
CONSTRUCTION (Value of Contracts)												
• Total (Seas. Adj.)[9, 21]	1967[d]						1967[d]					
Total[9, 21]	1967[f]	135	171	— 21	— 28	— 1	Mil. Dol.	10,513	10,751	— 2	+ 6	+ 4
Residential Building[9, 21]	1967[f]	107	175	— 39	— 43	— 8	Mil. Dol.	4,304	4,717	— 9	— 9	— x
Nonresidential Building[9, 21]	1967[f]	116	162	— 28	— 31	+ 20	Mil. Dol.	3,559	3,849	— 8	+ 18	+ 10
Utilities and Non-Building Const.[9, 21]	1967[f]	251	186	+ 35	+ 2	— 18	Mil. Dol.	2,651	2,185	+ 21	+ 19	+ 5
DISTRIBUTION												
Total Retail Sales[2, 13]	1957–59[d]	278	297	— 6	+ 1	+ 4	Mil. Dol.[d]	76,809	76,427	+ x	+ 8	+ 11
Department Store Sales[2, 13]	1957–59[d]	285	287	— 1	— 3	+ 7	Mil. Dol.[d]	7,395	7,640	— 3	+ 7	+ 8
• New Passenger Cars Registered[3, 22]	1967	84	102	— 18	— 15	— 9	No.–43 sts.	831,319	724,989	+ 15	— 12	— 6
New Trucks Registered[3, 22]	No.–43 cos.	4,787	4,947	— 3	— 33	— 21	No.–48 sts.	265,235	247,843	+ 7	— 26	+ 13
Used Cars Registered[3]	No.–41 cos.	21,021	27,092	— 22	— 11	— 8		b	b	b	b	b
PRICES												
• Consumer Price Index[15]:												
All Urban Consumers		b	b	b	b	b	1967	230	228	+ 1	+ 13	+ 11
Wage Earners & Clerical Workers		b	b	b	b	b	1967	230	228	+ 1	+ 13	+ 11
Producer Price Index[15]:												
All Commodities		b	b	b	b	b	1967	249	247	+ 1	+ 15	+ 13
Finished Goods		b	b	b	b	b	1967	226	226	+ 1	+ 12	+ 11
Intermediate Materials		b	b	b	b	b	1967	258	256	+ 1	+ 16	+ 13
Crude Materials		b	b	b	b	b	1967	297	291	+ 2	+ 18	+ 18
Sensitive Indus. Commodities[15]		b	b	b	b	b	1967	310	304	+ 2	+ 23	+ 27
BANKING AND FINANCE												
• Bank Loans, Large Banks—Total[11]	Mil. Dol.	23,529	23,096	+ 2	n.a.	n.a.	Mil. Dol.	404,898	395,079	+ 2	n.a.	n.a.
" " " " Bus. & Agric.[11]	Mil. Dol.	8,608	8,457	+ 2	n.a.	n.a.	Mil. Dol.	159,533	156,854	+ 2	n.a.	n.a.
Stock Price Index—400 Indust.[23]		b	b	b	b	b	1941–43 = 10	121.4	116.4	+ 4	+ 15	+ 8
" " " 40 Utils.[23]		b	b	b	b	b	1941–43 = 10	50.7	49.0	+ 4	+ 4	— 2
" " " 20 Utils.[23]		b	b	b	b	b	1970 = 10	12.6	12.8	— 1	— 5	— 3
Yield, Corp. AAA Bonds[23]		b	b	b	b	b	Percent	10.55	10.69	— 1	+ 14	+ 9

• Indicates series charted (page S-11). For sources and footnotes, see page S-3.

Business Conditions in the 8 Largest OHIO CITIES

ITEM	Unit or Index Base Period	AKRON Dec. 1979 (p)	AKRON Nov. 1979 (r)	AKRON Change From Last Year: Dec. 1979 from Dec. 1978	AKRON Change From Last Year: 12 months 1979 from 1978	CANTON Dec. 1979 (p)	CANTON Nov. 1979 (r)	CANTON Change From Last Year: Dec. 1979 from Dec. 1978	CANTON Change From Last Year: 12 months 1979 from 1978	CINCINNATI Dec. 1979 (p)	CINCINNATI Nov. 1979 (r)	CINCINNATI Change From Last Year: Dec. 1979 from Dec. 1978	CINCINNATI Change From Last Year: 12 months 1979 from 1978	CLEVELAND Dec. 1979 (p)	CLEVELAND Nov. 1979 (r)	CLEVELAND Change From Last Year: Dec. 1979 from Dec. 1978	CLEVELAND Change From Last Year: 12 months 1979 from 1978
				%	%			%	%			%	%			%	%
Number Employed[1]:																	
Total*	1967	86	85	— 5	— 6	94	95	— 5	+ 2	79	79	— 6	— 2	91	91	— 4	— 1
Manufacturing	"	61	61	— 8	— 8	83	84	— 7	+ 3	68	69	— 14	— 4	73	74	— 9	— 2
Trade, Serv., & Utils.	"	120	116	— 3	— 4	112	114	— 1	+ 1	88	87	+ x	— 2	110	109	— x	+ x
Construction	"	67	74	— 1	+ x	80	88	— 9	— x	87	93	+ 1	+ 17	78	82	+ 1	+ 2
Payrolls[1]:																	
Total*	"	184	180	+ x	+ 1	228	232	— 2	+ 10	212	210	— 7	+ 5	211	205	— 2	+ 5
• Manufacturing	"	133	133	— 7	— 3	198	200	— 6	+ 12	174	171	— 19	— 3	166	155	— 13	+ 2
Trade, Serv., & Utils.	"	284	269	+ 7	+ 5	309	313	+ 4	+ 8	263	257	+ 4	+ 10	270	268	+ 7	+ 7
Construction	"	153	167	+ 3	+ 3	182	204	— 7	+ 5	211	241	+ 2	+ 32	210	215	+ 16	+ 10
Emp. Earn.—Gross Wkly.[2]:																	
All Industries*	$	322.14	320.23	+ 5	+ 7	317.34	322.23	+ 2	+ 8	311.50	304.79	— 2	+ 8	361.08	345.05	+ 2	+ 6
Manufacturing	"	376.30	377.90	+ 3	+ 5	346.96	354.87	+ 1	+ 8	344.62	331.33	— 4	+ 7	389.60	359.52	— 3	+ 4
Trade, Serv., & Utils.	"	245.00	239.07	+ 10	+ 10	255.43	255.07	+ 5	+ 7	266.76	262.72	— x	+ —	318.52	316.39	+ 7	+ 7
Construction	"	435.20	429.19	+ 4	+ 3	437.85	446.11	— 4	+ 4	425.20	453.72	+ 1	+ 12	495.95	482.03	+ 16	+ 7
Retail Sales[3]	%	c	c	n.a.	+ 7	c	c	n.a.	+ 9	c	c	n.a.	+ 3	c	c	n.a.	+ 3
Auto Titles[4]:																	
New Cars	No.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	3,626	4,438	— 15	— 8	5,699	7,066	— 17	— 11
New Trucks	"	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	689	653	— 20	— 16	714	767	— 30	— 15
Retail Food Prices[5]	1967	b	b	b	b	b	b	b	b	255	252	+ 9	+ 11	246	243	+ 8	+ 11
Bank Debits[6]	1967†	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Commercial Failures[12]:																	
Failures	No.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Liabilities	Thous. $	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Indus. Power Consump.[4]	1967†	136	147	— 7	— 1	b	b	b	b	b	b	b	b	b	b	b	b
Value of Bldg. Const.[9]:																	
Total	"	84	110	+ 1	+ 10	43	117	— 68	+ 25	156	172	+104	+ 24	46	59	— 69	— 5
Residential	"	54	137	— 51	— 11	57	174	— 72	+ x	168	122	+109	+ 14	36	64	— 67	— 15
Nonresidential	"	115	82	+101	+ 55	26	48	— 45	+ 77	145	217	+ 99	+ 32	55	55	— 70	+ 5
Steel Production[15]	1967†	b	b	b	b	b	b	b	b	82	88	— 26	— 9	113	106	— 14	+ 8
Labor Force Estimates[11]:																	
Civilian Labor Force	Thous.	246.4	243.9	+ 1	+ 1	173.7	173.9	+ 1	+ 3	443.4	439.6	+ 2	+ 2	763.5	756.6	— x	+ 1
Civilian Employment	"	233.3	231.5	+ 1	+ 1	163.8	164.2	+ x	+ 3	423.6	420.2	+ 2	+ 2	727.5	721.6	— 1	+ 1
Unemp. Total—No.	"	13.1	12.4	+ 7	+ 8	9.9	9.7	+ 13	+ 8	19.8	19.4	— 1	+ 3	36.0	35.0	+ 10	+ 9
Unemp., Total—Rate	%	5.3	5.1			5.7	5.6			4.5	4.4			4.7	4.6		

ITEM	Unit or Index Base Period	COLUMBUS Dec. 1979 (p)	COLUMBUS Nov. 1979 (r)	COLUMBUS Change From Last Year: Dec. 1979 from Dec. 1978	COLUMBUS Change From Last Year: 12 months 1979 from 1978	DAYTON Dec. 1979 (p)	DAYTON Nov. 1979 (r)	DAYTON Change From Last Year: Dec. 1979 from Dec. 1978	DAYTON Change From Last Year: 12 months 1979 from 1978	TOLEDO Dec. 1979 (p)	TOLEDO Nov. 1979 (r)	TOLEDO Change From Last Year: Dec. 1979 from Dec. 1978	TOLEDO Change From Last Year: 12 months 1979 from 1978	YOUNGSTOWN Dec. 1979 (p)	YOUNGSTOWN Nov. 1979 (r)	YOUNGSTOWN Change From Last Year: Dec. 1979 from Dec. 1978	YOUNGSTOWN Change From Last Year: 12 months 1979 from 1978
				%	%			%	%			%	%			%	%
Number Employed[1]:																	
Total*	1967	113	110	— 2	— x	108	108	— 2	+ 2	100	100	— 5	— 1	87	87	+ x	+ 1
Manufacturing	"	75	75	— 8	— 7	70	70	— 5	— 2	76	77	— 17	— 7	57	59	+ 2	+ 1
Trade, Serv., & Utils.	"	142	135	— x	+ 1	163	162	+ 1	+ 4	123	123	+ x	+ 3	126	124	+ 1	+ 2
Construction	"	74	77	+ 8	+ 9	95	106	+ 6	+ 4	84	89	+ 27	+ 14	57	57	— 17	— 7
Payrolls[1]:																	
Total*	"	260	246	+ 3	+ 6	217	215	+ 1	+ 7	238	233	— 3	+ 4	195	199	+ 6	+ 10
• Manufacturing	"	168	152	— 4	— x	161	153	— 5	+ 4	177	167	— 18	— 6	137	148	+ 11	+ 10
Trade, Serv., & Utils.	"	352	336	+ 5	+ 8	343	342	+ 6	+ 10	326	325	+ 7	+ 10	309	304	+ 7	+ 11
Construction	"	176	182	+ 24	+ 17	213	272	+ 7	+ 12	209	224	+ 32	+ 20	154	152	— 22	+ 2
Emp. Earn.—Gross Wkly.[2]:																	
All Industries*	$	276.89	268.99	+ 7	+ 8	358.46	352.69	+ 2	+ 7	344.74	328.13	+ 5	+ 6	305.67	314.86	+ 4	+ 9
Manufacturing	"	345.83	308.64	+ 7	+ 9	404.48	388.67	+ x	+ 6	392.49	361.36	+ 2	+ 4	336.81	355.58	+ 6	+ 8
Trade, Serv., & Utils.	"	219.45	220.61	+ 6	+ 7	287.13	288.26	+ 6	+ 8	283.59	277.19	+ 10	+ 9	242.78	248.05	+ 6	+ 9
Construction	"	399.10	394.12	+ 16	+ 5	401.31	456.65	+ 2	+ 8	488.13	499.25	+ 2	+ 3	490.66	482.73	— 6	+ 10
Retail Sales[3]	%	c	c	n.a.	+ 2	c	c	n.a.	n.a.	c	c	n.a.	+ x	c	c	n.a.	+ 3
Auto Titles[4]:																	
New Cars	No.	3,450	3,970	— 15	— 8	2,377	3,000	— 21	— 14	1,722	1,838	— 2	n.a.	799	1,179	— 23	— 3
New Trucks	"	570	630	— 29	— 15	324	356	— 48	— 31	314	356	— 37	n.a.	119	188	— 50	— 8
Retail Food Prices[5]	1967	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b
Bank Debits[6]	1967†	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Commercial Failures[12]:																	
Failures	No.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Liabilities	Thous. $	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Indus. Power Consump.[4]	1967†	b	b	b	b	b	b	b	b	141	155	— 6	— 2	88	89	— x	+ 5
Value of Bldg. Const.[9]:																	
Total	"	156	171	— 42	+ 22	83	134	+ 10	+ 16	122	199	— 43	+ 27	110	106	+ 67	+ 3
Residential	"	238	182	+ 40	+ 23	60	64	— 34	+ 8	124	200	— 51	— 14	143	110	+ 50	— 13
Nonresidential	"	74	160	— 80	+ 22	111	222	+ 99	+ 26	121	199	— 26	+ 77	72	101	+125	+ 27
Steel Production[15]	1967†	b	b	b	b	b	b	b	b	b	b	b	b	65	69	— 27	— 3
Labor Force Estimates[11]:																	
Civilian Labor Force	Thous.	450.3	446.5	+ 2	+ 4	276.5	276.5	+ 1	+ 4	228.0	227.1	— 6	— 5	135.1	133.1	+ 1	+ 2
Civilian Employment	"	433.7	430.2	+ 2	+ 4	262.5	260.9	— x	+ 2	213.8	212.6	— 7	— 6	126.3	125.4	+ 1	+ 3
Unemp. Total—No.	"	16.6	16.4	— 7	+ 5	14.1	15.5	+ 30	+ 29	14.2	14.5	+ 6	+ 6	8.8	7.7	+ 2	— 11
Unemp., Total—Rate	%	3.7	3.7			5.1	5.6			6.2	6.4			6.5	5.8		

NOTE: All data are for county areas except bank debits and commercial failures, which are for areas within city limits. The indexes of number employed and payrolls and the employee weekly earnings are based on data for production workers in manufacturing, construction workers in contract construction, and nonsupervisory employees in other categories which exclude agriculture, government, education, and public institutions.

• Indicates series charted (page S-3). For sources and footnotes, see page S-3.

Number Employed, Payrolls, and Man-Hours in Ohio Industry

INDUSTRIAL GROUP	NUMBER EMPLOYED[2]					PAYROLLS[2]					MAN-HOURS[2]				
	INDEX (1967 = 100)		CHANGE			INDEX (1967 = 100)		CHANGE			INDEX (1967 = 100)		CHANGE		
	Dec. 1979 (p)	Nov. 1979 (r)	Dec. 1979 from Nov. 1979 %	Dec. 1979 from Dec. 1978 %	12 months 1979 from 1978 %	Dec. 1979 (r)	Nov. 1979 (p)	Dec. 1979 from Nov. 1979 %	Dec. 1979 from Dec. 1978 %	12 months 1979 from 1978 %	Dec. 1979 (p)	Nov. 1979 (r)	Dec. 1979 from Nov. 1979 %	Dec. 1979 from Dec. 1978 %	12 months 1979 from 1978 %
Total[w] (2,417)[a]	**91**	**90**	**+ 1**	**— 3**	**— x**	**206**	**201**	**+ 2**	**+ 1**	**+ 6**	**90**	**88**	**+ 2**	**— 4**	**— 1**
All Manufacturing[w] (1,314)	**78**	**78**	**— x**	**— 6**	**— 2**	**184**	**178**	**+ 3**	**— 5**	**+ 4**	**74**	**73**	**+ 2**	**— 9**	**— 3**
Chemicals (69)	96	97	— 1	— 3	— x	211	217	— 3	— 1	+ 6	93	95	— 1	— 4	— x
Food Products (90)	82	83	— 1	— x	— 1	205	204	+ 1	+ 8	+ 6	74	75	— 2	— 1	— 3
Bakery	73	73	— x	+ 6	— 1	178	182	— 2	+ 17	+ 8	71	73	— 3	+ 8	— 1
Miscellaneous	83	84	— 1	— 1	— 1	208	206	+ 1	+ 7	+ 6	74	75	— 1	— 2	— 3
Lumber Products (45)	91	92	— 1	— 10	— 2	188	187	+ x	— 3	+ 4	83	84	— 1	— 11	— 3
Furniture	99	100	— 1	— 11	— 4	206	205	+ x	— 3	+ 3	95	98	— 2	— 12	— 5
Miscellaneous	78	79	— 1	— 7	+ 2	160	160	— x	— 3	+ 9	66	66	— x	— 8	+ 1
Machinery (305)	76	77	— x	+ 1	+ 1	175	166	+ 5	+ 10	+ 9	75	73	+ 3	+ 1	+ x
Elec. Mach., Apparatus and Supplies	86	86	+ x	+ 3	+ 1	209	197	+ 6	+ 14	+ 8	85	82	+ 4	+ 4	— 1
Machine Tools	62	62	+ x	+ 2	+ 5	148	145	+ 2	+ 13	+ 15	66	65	+ 1	+ 2	+ 5
Agricultural Equipment	49	48	+ 3	— x	+ 5	115	105	+ 9	+ 11	+ 15	57	53	+ 7	+ x	+ 5
Special Machinery and Appliances	71	72	— 1	— 1	+ 1	150	143	+ 5	+ 5	+ 9	68	66	+ 3	— 4	+ x
Metal Products (358)	85	85	— 1	— 8	— 2	196	192	+ 2	— 6	+ 4	77	77	+ 1	— 11	— 4
Foundry Products and Drop Forgings	91	92	— 2	— 16	— 7	245	226	+ 8	— 15	— 4	80	77	+ 4	— 19	— 9
Pipes, Valves, and Plumbers' Supplies	84	85	— 1	— 2	+ 7	220	221	— 1	+ 8	+ 12	95	96	— 1	— 3	+ 4
Screw Machine Products and Hdwe.	95	98	— 3	— 4	+ 1	183	152	+ 20	— 4	+ 1	96	84	+ 14	— 8	— 4
Sheet Metal Work	90	93	— 3	— 13	— 5	211	203	+ 4	— 11	— 3	79	78	+ 1	— 16	— 9
Steel Works and Rolling Mills	77	77	— 1	— 4	+ x	167	173	— 3	— 3	+ 7	69	72	— 4	— 9	— 1
Stoves and Furnaces	89	90	— 1	— 20	— 9	212	194	+ 9	+ 15	+ x	108	100	+ 8	+ 2	— 9
Miscellaneous	84	83	+ 1	— 5	+ x	192	189	+ 2	— 4	+ 7	74	71	+ 3	— 8	— 1
Paper and Printing (139)	66	66	— 1	— 4	— 3	171	172	— 1	+ 3	+ 3	63	64	— x	— 5	— 4
Paper and Pulp	48	48	+ 1	— 3	— 4	161	172	— 6	+ 5	+ 3	41	42	— 4	— 5	— 7
Printing and Publishing	75	80	— 6	— 7	— 2	174	185	— 6	— x	+ 5	70	75	— 6	— 5	— 1
Miscellaneous	67	66	+ 1	— 3	— 3	169	162	+ 4	+ 4	+ 3	71	68	+ 3	— 5	— 4
Rubber Products (55)	67	68	— 2	— 10	— 6	159	163	— 2	— 11	+ 2	61	62	— 3	— 16	— 6
Tires and Tubes	56	56	— 1	— 4	— 7	107	110	— 3	— 6	+ 1	37	38	— 2	— 10	— 7
Miscellaneous	76	78	— 2	— 12	— 5	201	205	— 2	— 14	+ 2	80	83	— 3	— 19	— 6
Stone, Clay, and Glass Products (94)	75	76	— 1	— 8	— 5	189	191	— 1	— 4	— x	83	84	— 1	— 9	— 6
Brick and Tile	58	59	— 2	— 6	+ 10	121	123	— 1	+ 2	+ 21	60	60	— x	— 5	+ 12
Glass	80	82	— 1	— 14	— 12	189	188	+ 1	— 10	— 7	82	81	+ 1	— 14	— 14
Vitreous & Semi-Vit. China & Pottery	87	88	— 2	+ 1	— 1	169	168	+ 1	+ 12	+ 9	88	90	— 2	+ 1	— 1
Miscellaneous	86	89	— 3	— 3	+ 3	221	239	— 7	— 1	+ 7	91	96	— 6	— 8	+ 1
Textiles (37)	72	69	+ 5	— 5	— 2	113	106	+ 6	+ 1	+ 5	72	68	+ 6	— 4	— x
Men's Clothing	81	81	+ x	— 5	— 2	112	111	+ x	+ 3	+ 7	74	73	+ 1	— 4	+ 3
Miscellaneous	67	62	+ 9	— 6	— 2	119	106	+ 12	— 1	+ 4	72	66	+ 10	— 4	— 2
Vehicles (62)	76	74	+ 3	— 21	— 4	193	169	+ 15	— 28	— 4	72	63	+ 13	— 29	— 10
Autos and Parts	82	80	— 3	— 27	— 6	217	192	+ 13	— 34	— 6	77	69	+ 12	— 35	— 12
Cars, Electric and Steam Railway	122	120	+ 2	+ 16	+ 15	256	265	— 3	+ 13	+ 23	107	110	— 3	+ 9	+ 18
Miscellaneous	60	59	+ 2	+ 27	+ 4	139	105	+ 33	+ 39	+ 11	49	27	+ 24	+ 3	+ 19
Miscellaneous Manufacturing (60)	66	66	— 1	— 5	— 2	153	152	+ 1	+ 8	+ 7	64	64	— x	— 3	— 2
Total Trade, Service, and Utilities[w] (724)	**108**	**105**	**+ 2**	**— x**	**— x**	**244**	**237**	**+ 3**	**+ 6**	**+ 7**	**113**	**109**	**+ 4**	**— x**	**+ x**
Service (214)	118	118	— x	+ 3	+ 3	243	240	+ 1	+ 8	+ 8	132	132	+ x	+ 3	+ 4
Trade, Retail and Wholesale (400)	102	98	+ 4	— 2	— 2	225	213	+ 5	+ 6	+ 6	103	96	+ 7	— 2	— 2
Transportation & Public Utilities (110)	108	108	+ x	— 1	+ 1	296	295	+ x	+ 6	+ 9	108	108	— x	— 2	+ 2
Construction (351)	74	79	— 6	+ 6	+ 5	187	200	— 6	+ 18	+ 14	68	73	— 7	+ 11	+ 8
Mines and Quarries (28)	125	128	— 2	— 1	+ 24	261	274	— 5	+ 1	+ 39	77	81	— 5	— 5	+ 27

Indexes of number employed and of payrolls are based on the employment of 523,574 persons (production workers in manufacturing and mining, construction workers in contract construction, and nonsupervisory employees in other categories) in 2,417 firms; indexes of man-hours, on the employment of 509,642 production workers and nonsupervisory employees in 2,315 firms. Figures in parentheses show number of firms reporting employment and payrolls. In some cases fewer firms report man-hours. Data do not include agriculture, government, education, or public institutions. For sources and footnotes, see below.

FOOTNOTES FOR BULLETIN TABLES AND CHARTS

[1]Change in number of failures: [2]Figures in parentheses show number of firms reporting this month: [n.a.]Current data not available: [b]Comparable data not available: [c]Only percentage of change available: [d]Adjusted for seasonal change: [f]Adjusted for number of working days: [g]Four weeks ave age: [h]Annual rate: [p]Preliminary: [r]Revised: [s]Series revised: [w]Weighted: [x]Less than 0.5 percent: [y]More than 1,000 percent increase.

Primary Sources.

Computed from: [1]Center for Business and Economic Research multiple regression model.

Computed from original data collected by the Center for Business and Economic Research from: [2]Ohio retailers: [3]County Clerks of Courts: [4]Local Power and Light Companies.

Computed by the Center for Business and Economic Research from data supplied by: [5]Board of Governors of the Federal Reserve System: [6]Life Insurance Marketing and Research Association: [7]Division of Research and Statistics of the Ohio Bureau of Employment Services, collected in cooperation with the Bureau of Labor Statistics, U.S. Department of Labor: [8]Federal Power Commission: [9]F. W. Dodge Division, McGraw-Hill Information Systems Company: [10]Dun & Bradstreet, Inc.

Other data sources: [11]Federal Reserve Board: [12]Dun & Bradstreet, Inc.: [13]U.S. Department of Commerce: [14]Division of Research and Statistics of the Ohio Bureau of Employment Services: [15]U.S. Department of Labor: [16]Department of Agricultural Economics, O.S.U.: [17]U.S. Department of Agriculture: [18]American Iron and Steel Institute: [19]U.S. Department of Energy: [20]National Machine Tool Builders' Association: [21]F. W. Dodge Division, McGraw-Hill Information Systems Company: [22]R. L. Polk & Co.: [23]Standard & Poor's Corporation.

Note: In the Ohio-U.S. table, page S-2, dual source notes on a single line of the table stub refer first to Ohio data, second to U.S. data.

Ohio Retail Sales Trends

December Sales of Ohio Retailers were higher than sales during any single month in the past—surpassing by 1 percent the previous sales peak in December 1978. Current December sales were 14 percent above sales in November before seasonal adjustment, but adjustment for the seasonal pattern changed the relationship of the December index to the November index to —6 percent.

Sales for the Year 1979 became the highest annual sales on record by increasing 4 percent over 1978 sales, the previous high. However, the 4 percent gain was the lowest year-to-year gain since 1975.

By Kind of Business, the most dominant effect in depressing 1979 sales was the downward year-to-year trend in sales of motor vehicle dealers, which declined 14 percent in the December-to-December comparison and 5 percent for the year as a whole. Less influential year-to-year declines were shown by household appliance-TV-radio stores (—3 percent), men's clothing stores (—1 percent), and lumber-building materials dealers (down less than 0.5 percent). Substantial gains in 1979 over 1978 occurred in heating-plumbing and electrical supply stores (+27 percent), general stores (+17 percent), and eating and drinking places (+15 percent).

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INDEXES OF OHIO RETAIL SALES

KIND OF BUSINESS	INDEX (1957–59 = 100)		CHANGE			
			Dec. 1979 from Nov. 1979		Dec. 1979 from Dec. 1978	12 months 1979 from 1978
	Dec. 1979 (p)	Nov. 1979 (r)	Not Seas. Adj.	Seas. Adj.		
			%	%	%	%
Total Retail Stores[a] [b]	**341**	**299**	**+14**	**— 6**	**+ 1**	**+ 4**
Grocery Stores	351	318	+10	— 1	+ 4	+ 6
Other Food Stores	365	409	—11	—16	+ 2	+14
General Stores (With Food)	228	196	+17	— 8	+14	+17
Department Stores	553	343	+61	— x	— 3	+ 6
Other General Merchandise	503	260	+94	+10	+10	+ 9
Men's Clothing–Furns. Stores	286	159	+79	+ 2	— 2	— 1
Family Clothing Stores	229	155	+48	—11	— 9	+ 2
Women's Ready-to-Wear Stores	294	179	+64	+ 5	— 3	+ 2
Shoe Stores	182	131	+40	— 2	+12	+ 3
Furniture Stores	279	267	+ 5	—15	+ 2	+ 7
Household Appl.–TV-Rdio Strs.	335	236	+42	— 8	— 9	— 3
Home Furnishings Stores	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Motor Vehicle Dealers	281	334	—16	—14	—14	— 5
Other Automotive	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Filling Stations	356	398	—11	—13	— 1	+10
Lumber–Bldg. Matls. Dealers	239	306	—22	+ 4	— 3	— x
Paint, Glass & Wallpaper Strs.	130	149	—13	— 8	+ 1	+10
Heat.–Plumb. & Elec. Sup. Strs.	299	391	—24	—15	+53	+27
Hardware Stores	318	265	+20	—13	+ 5	+ 1
Farm Equipment Dealers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Eating & Drinking Places	243	204	+19	+10	+10	+15
Drug Stores	258	205	+26	— 8	— 6	+ 4
Jewelry Stores	676	213	+218	+16	+ 8	+ 7
Florists	270	126	+114	+20	— 6	+10
Fuel Dealers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Hay–Feed, Farm & Grdn. Strs.	439	407	+ 8	+19	+70	+14
State Liquor Stores	342	186	+84	— 8	+ 2	+ 5

For sources and footnotes, see page S-3.

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